

Town of Milton
Water System Improvements
Budget Estimate for Full SRF Loan Amount

Project Description

A. WELL #5 REHABILITATION/REPLACEMENT

SCOPE: DRILL A NEW PRODUCTION WELL TO APPROX. 500 FEET DEEP

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>INSTALLED UNIT PRICE</u>	<u>TOTAL</u>
1	Planning and Research	L.S.	1	\$5,000.00	\$5,000.00
2	Permitting	L.S.	1	\$1,500.00	\$1,500.00
3	Test Drilling	L.S.	1	\$50,000.00	\$50,000.00
4	Production Well Drilling	L.S.	1	\$250,000.00	\$250,000.00
5	Well Sampling and Testing	L.S.	1	\$10,000.00	\$10,000.00
6	Well Pump and Well Head	L.S.	1	\$75,000.00	\$75,000.00
7	Concrete Meter Pit	L.S.	1	\$20,000.00	\$20,000.00
8	Meter, Valves and Piping	L.S.	1	\$25,000.00	\$25,000.00
9	Piping Connection to System	L.S.	1	\$50,000.00	\$50,000.00
10	Well House	L.S.	1	\$75,000.00	\$75,000.00
11	Site Work and Foundation	L.S.	1	\$25,000.00	\$25,000.00
12	Disinfection, Fluoride, pH systems	L.S.	1	\$40,000.00	\$40,000.00
11	Electrical and Controls	L.S.	1	\$30,000.00	\$30,000.00
12	Back-Up Generator & Quiet Pack	L.S.	1	\$70,000.00	\$70,000.00
13	Restoration	L.S.	1	\$7,500.00	<u>\$7,500.00</u>
				Subtotal	\$734,000.00
				Bonds & Insurance	\$0.05
					\$36,700.00
				Mobilization / Demobilization	\$0.05
					\$36,700.00
				Subtotal	\$73,400.00
				Well #5 Replacement Total:	\$807,400.00

B. WAGAMON'S WEST SHORES WATER LOOP

SCOPE: LOOP EXISTING DEAD-ENDED WATER MAINS TO IMPROVE SERVICE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>INSTALLED UNIT PRICE</u>	<u>TOTAL</u>
1	Mobilization	LS	1	\$10,000.00	\$10,000.00
2	10-inch PVC	LF	2140	\$75.00	\$160,500.00
3	12-inch Directional Drill	LF	250	\$400.00	\$100,000.00
3	20-inch steel casing	LF	70	\$400.00	\$28,000.00
4	Fire Hydrants	Each	5	\$4,500.00	\$22,500.00
5	Water Valves	Each	8	\$1,500.00	<u>\$12,000.00</u>
				Subtotal	\$333,000.00
				Wagamon's Water Main Loop Total:	\$333,000.00

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C. WATER SYSTEM CONTROL INTEGRATION
SCOPE: UPDATE 3G WATER SYSTEM CONTROLS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>INSTALLED UNIT PRICE</u>	<u>TOTAL</u>
1	Comprehensive Review of Existing System	LS	1	\$6,500.00	\$6,500.00
2	Integration of New System Components	LS	1	\$2,500.00	\$2,500.00
3	Installation of System Updates	LS	1	\$36,000.00	\$36,000.00
4	Testing and Operation	LS	1	\$5,000.00	<u>\$5,000.00</u>
				Subtotal	\$50,000.00
Water System Control Integration Total:					\$50,000.00

D. WATER TOWER No. 2 FOUNDATION REPAIR
SCOPE: PERFORM STRUCTURAL REPAIR OF CRACKING FOUNDATION

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>INSTALLED UNIT PRICE</u>	<u>TOTAL</u>
1	Mobilization	LS	1	\$1,000.00	\$1,000.00
2	Foundation and Geotechnical Testing	LS	1	\$10,000.00	\$10,000.00
3	Structural Repair	LS	1	\$80,000.00	\$80,000.00
4	Restoration	LS	1	\$9,000.00	<u>\$9,000.00</u>
				Subtotal	\$100,000.00
Water Tower No. 2 Foundation Repair Total:					\$100,000.00

EXECUTIVE SUMMARY

<u>Item</u>	<u>Description</u>	<u>Total Estimated Cost</u>
A.	Well #5 Replacement Total:	\$807,400.00
B.	Wagamon's Water Main Loop Total:	\$333,000.00
C.	Water System Control Integration Total:	\$50,000.00
D.	Water Tower No. 2 Foundation Repair Total:	<u>\$100,000.00</u>
Total Estimated Construction Cost:		\$1,290,400.00
Total Estimated Engineering (12%):		\$154,848.00
Total Estimated Inspection (5%):		\$64,520.00
Construction Contingency (15%):		<u>\$193,560.00</u>
Total Estimated Cost for Loan:		\$1,703,328.00